

ENVIRONMENTAL CLEANUP



NEWSLETTER

September 2000

This Environmental Cleanup
Newsletter is the second in a new
series of quarterly newsletters
describing the Navy's environmental
cleanup program at Hunters Point
Shipyard. Each quarterly newsletter
will include articles and information updating various environmental
cleanup activities, project progress,
and key milestones. The Navy has
contracted with a local community
organization for the distribution of
this newsletter to those individuals
on the current mailing list.

ARE YOU ON OUR MAILING LIST?

To better serve the community regarding the Hunters Point Ship-yard environmental cleanup program, we would like to include you on our mailing list. We would like to know what information you are interested in receiving and how to get the information to you so please fill out and return the mailing list update form inside this newsletter.

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Parcel B Cleanup Moving Forward

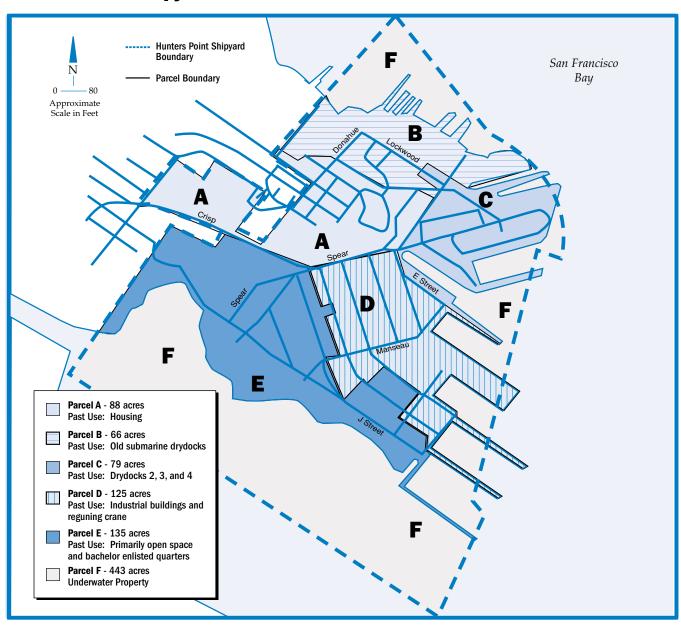
he remaining Parcel B environmental cleanup work consists of the excavation and off-site disposal of contaminated soil from 60 (of a total of 103) sites. Beginning in May 2000, the Navy began pre-excavation confirmation sampling and analysis of these sites. This sampling effort is approximately 95 percent complete with over 1,300 samples collected from the remaining sites on Parcel B. Information obtained from sampling helps the Navy determine the exact dimensions of each site and amount of soil that needs to be excavated, before excavation actually begins.

The pre-excavation confirmation sampling has resulted in delineating 16 excavation sites. Currently, the Navy is in the process of excavating 12 of these sites. The remainder of the contaminated soil at Parcel B (approximately 41,000 cubic yards) is expected to be excavated by November 2000. This soil will be transported via truck and/or rail to a licensed disposal facility. After the fieldwork is completed there are several administrative steps that must be performed. These include preparing the following reports: Remedial Action Report and the Finding of Suitability to Transfer. The Remedial Action Report presents all the results of the cleanup actions taken. The Finding of Suitability to Transfer reports on the environmental condition of the property. The Navy anticipates that Parcel B will be ready to transfer to the City of San Francisco by August 2001.

In addition to the excavation work at Parcel B, a groundwater monitoring effort is in place to assess the water quality. None of these wells have ever been used for drinking water, irrigation, or any other use. This monitoring effort was initiated in the mid-1990s and the wells have been sampled quarterly for the past year. Quarterly monitoring reports are submitted for review and the annual report is currently being prepared. This report may contain recommendations for sampling modifications for the future based on trends detected to date.

Parcel B is located in the northeast corner of the Shipyard and consists of approximately 66 acres of northeast shoreline and lowland coast. Past uses at Parcel B were primarily administrative offices, commercial buildings, warehouses, and submarine dry docks. Chemicals present at Parcel B are a result of past activities conducted at Hunters Point Shipyard. These contaminants include volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) that are common components in industrial solvents used for machinery degreasing and cleaning operations. Also present are total petroleum hydrocarbons (TPH) which are common compounds found in fuel and petroleum products. Metals present are mainly the result of sandblasting operations. Sources for these contaminants are leaks from sumps, fuel lines, above and underground storage tanks and from electrical transformers containing PCBs or polychlorinated byphenyls. Materials were also directly released to the ground from sandblasting. Other releases were made into the storm drain system.

Hunters Point Shipyard Parcel Boundaries



Installation Restoration Program Process

Preliminary Assessment/ Site Inspection (PA/SI)	Remedial Investigation (RI)	Feasibility Study (FS)	Proposed Plan/Public Comment Period	Record of Decision (ROD)/ Responsiveness Summary	Remedial Design	Remedial Action	Property Transfer and Reuse
The PA/SI results in the discovery and verification of potential sites.	The RI identifies and confirms the sources and areas of soil and groundwater contamination.	The FS identifies remedial alternatives for soil and groundwater cleanup.	The public has the opportunity to comment on the preferred remedy and other proposed alternatives.	The selected remedial alternative and responses to public comments are documented in the ROD.	Detailed specifications for the selected remedies are developed.	A qualified contractor begins the closure actions according to specifications.	A finding of suitability to transfer (FOST) is prepared.

Note: The Navy's IR Program is consistent with the guidelines outlined in CERCLA and the NCP. Interim actions or Removal Actions, may be performed at sites at any point in this process. The Navy meets on an ongoing basis with the BCT to determine ways to accelerate the cleanup of Hunters Point Shipyard.

Hunters Point Shipyard Parcel Description and Status

unters Point Shipyard is a 936-acre deactivated shipyard on San Francisco Bay in southeastern San Francisco. Historically, Hunters Point Shipyard has been used for private and Navy ship repair:

- 1869 1939: commercial drydock
- 1939: Navy acquired land
- 1939 1974: Ship building, repair, and maintenance; and World War II submarine servicing
- 1974 1976: Deactivated in 1974 and unused until 1976
- 1976 1986: Navy leased to private ship repair firm (Triple A Machine Shop)
- 1986 present: Environmental investigation and restoration

Hunters Point Shipyard is divided into six parcels (Parcels A through F) to more effectively manage the cleanup effort and efficiently transfer the property to the City of San Francisco. (See the figure on page 2.) Although chemical contamination resulting from the Shipyard activities varies from site-to-site on each parcel, chemical contaminants at a site may include compounds present in industrial solvents, PCBs, pesticides, gasoline, diesel, motor oil, and/or metals. Following are brief descriptions of environmental investigation/cleanup activities that occurred during July-September 2000 and a look ahead at upcoming activities.

PARCEL A

INVESTIGATION/CLEANUP ACCOMPLISHMENTSParcel A has been deleted from the National

Parcel A has been deleted from the National Priorities List.

WHAT'S NEXT?

➤ Transfer Parcel A to the City of San Francisco.

PARCEL B

INVESTIGATION/CLEANUP ACCOMPLISHMENTS July – September 2000

- ➤ Submitted a Draft Final Land Use Control Implementation Plan (LUCIP) for BCT and public review (September 5 October 5, 2000). The LUCIP describes land-use controls associated with the site and appropriate monitoring, inspection, reporting, and enforcement protocols needed to support land-use controls for the selected remedy outlined in the Record of Decision.
- ➤ Collected over 1,300 "pre-excavation confirmation" soil samples from 60 sites as part of the continuing cleanup. Of these 60 sites, 16 sites have been completely delineated and 12 sites have been excavated. (*Please refer to page 1 for more information.*)
- Continued groundwater monitoring efforts to assess water quality, prepared quarterly report.

➤ Measured water levels as part of basewide effort to determine the groundwater gradient. (Note: The groundwater gradient is used to show the direction and the speed that groundwater flows.)

WHAT'S NEXT?

- ➤ Complete the Final LUCIP in October 2000.
- ➤ Complete cleanup of the 60 sites through November 2000.
- Continue groundwater monitoring.
- Prepare a Remedial Action Report and Finding of Suitability to Transfer.
- ➤ Transfer Parcel B to the City of San Francisco by August 2001.

PARCEL C

INVESTIGATION/CLEANUP ACCOMPLISHMENTS July - September 2000

- Collected groundwater samples for laboratory testing and data evaluation for the groundwater data gaps investigation. Measured water levels in monitoring wells as part of the basewide effort to determine groundwater gradient.
- Prepared a workplan to conduct a soil vapor extraction (SVE) treatability study at Parcels B, C, and E.
 - (Please refer to page 6 for more information.)
- ➤ Prepared a workplan to conduct a groundwater (chemical oxidation) treatability study. (*Please refer to page 6 for more information.*)

> Prepared an Action Memorandum to remove steam lines, fuel lines, and contaminated soil at Parcels C and D. (*Please refer to page 5 for more information.*)

WHAT'S NEXT?

- Conduct SVE treatability study at Parcels B, C, and E.
- Conduct groundwater (chemical oxidation) treatability study.
- ➤ Perform removal of steam lines, fuel lines and contaminated soils at Parcels C and D.
- ➤ Prepare a revised Feasibility Study, Proposed Plan, and a Record of Decision.

PARCEL D

INVESTIGATION/CLEANUP ACCOMPLISHMENTS July – September 2000

- Collected groundwater samples for laboratory testing and data evaluation for the groundwater data gaps investigation. Measured water levels in monitoring wells as part of the basewide effort to determine groundwater gradient.
- ➤ Prepared and submitted Final Action Memorandum for remediation for low-level radiological contamination at four buildings located in Parcels D and E on August 18, 2000. (Please refer to page 6 for more information.)
- ➤ Prepared an Action Memorandum to remove steam lines, fuel lines, and contaminated soil at Parcels C and D. (*Please refer to page 5 for more information*.)

WHAT'S NEXT?

- ➤ Perform removal action at the four low-level radiological sites at Parcels D and E.
- ➤ Perform removal of steam lines, fuel lines and contaminated soil at Parcels C and D.
- ➤ Prepare a revised Feasibility Study, Proposed Plan, and a Record of Decision.

PARCEL E

INVESTIGATION/CLEANUP ACCOMPLISHMENTS July – September 2000

- ➤ Prepared work plans to conduct a SVE treatability study at Parcels B, C, and E. (*Please refer to page 6 for more information.*)
- ➤ Prepared and submitted Final Action Memorandum for remediation for low-level radiological contamination at four buildings located in Parcels D and E on August 18, 2000. (Please refer to page 6 for more information.)
- > Began investigation of landfill fire.

WHAT'S NEXT?

- Conduct SVE treatability study at Parcels B, C, and E.
- Conduct soil and groundwater data gaps investigation sampling.
- ➤ Perform removal action at the four radiological sites on Parcels D and E.
- ➤ Complete the risk management review process.
- ➤ Complete capping of the landfill fire boundary.
- ➤ Prepare a revised Feasibility Study, Proposed Plan, and a Record of Decision.

PARCEL F

INVESTIGATION/CLEANUP ACCOMPLISHMENTS July - September 2000

- > Submitted Draft Validation Study Work Plan.
- ➤ Submitted Draft Final Validation Study Work Plan for BCT and public review and comment (September 14 – October 14, 2000).

WHAT'S NEXT?

- ➤ Sediment sampling and laboratory analysis.
- ➤ Prepare a Final Validation Study Report, Feasibility Study, Proposed Plan, and a Record of Decision.

Restoration Advisory Board Meets Monthly

Hunters Point Shipyard Restoration Advisory Board (RAB) members and the interested public have been regularly informed of the cleanup work underway at the Shipyard. The RAB, composed of representatives from the community, regulatory agencies, and Navy, meets monthly to discuss Hunters Point Shipyard cleanup issues and are a focal point for exchange of information. RAB meetings are typically held on the fourth Thursday of each month from 6pm to 8pm at the Bayview Police Station Community Room. The next meeting is scheduled for October 26, 2000.

Navy Plan for Removal Actions at Parcels C and D Documented in Action Memorandum

he Navy documented plans to excavate and remove steam lines, fuel lines, and contaminated soil at Parcels C and D of Hunters Point Shipyard in a Draft Action Memorandum released for public comment on July 31, 2000. The removal action will substantially eliminate the exposure pathways of hazardous substances found in the soil. Public comments on the Action Memorandum were accepted between July 31, 2000 and August 30, 2000. Removal of steam lines, fuel lines and contaminated soil started in September 2000, after the Navy considered and addressed all public comments received.

Highlights of the proposed removal action activities for the Parcel C and D soil sites are:

- Clean inside of steam lines and fuel lines and dispose of rinse water.
- Remove approximately 45,000 feet of steam lines from utility corridors.
- Remove approximately 2,240 feet of fuel lines.
- Remove approximately 60,000 cubic yards of contaminated soil from the ground surface to a maximum depth of 10 feet.



JUNE 22, 2000 COMMUNITY OUTREACH MEETING

n Thursday evening, June 22, 2000, a community outreach meeting for Hunters Point Shipyard was held at the Southeast Community Facility in the Bayview community of the City of San Francisco. The Citizen's Advisory Committee (CAC) and the Project Area Committee (PAC) sponsored the meeting with the Hunters Point Shipyard Restoration Advisory Board (RAB). This meeting was a follow up to the June 3, 2000 workshop sponsored by the CAC, PAC, and RAB that focused on the environmental cleanup program at Hunters Point Shipyard.

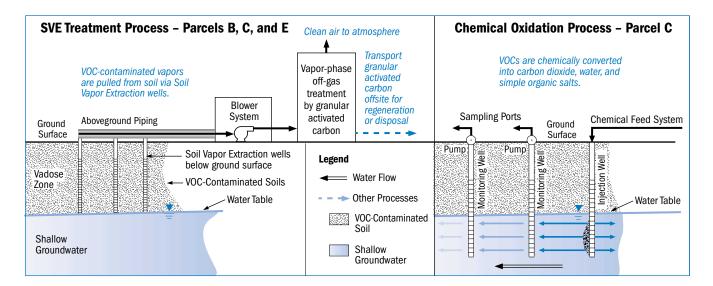
Approximately 185 people attended the June 22nd meeting. Meeting topics included history of the Shipyard, parcel-by-parcel status, environmental cleanup process and schedules, and employment opportunities. In addition, opportunities for community participation in the cleanup were also discussed. Presentations were made by Ms. Jill Fox of the India Basin Neighborhood Association, Ms. Claire Trombadore of the U.S. EPA, Mr. Richard Mach of the Navy, Mr. Mohammed Nuru of San Francisco League of Urban Gardeners (SLUG), and Mr. Byron Rhett, from the City of San Francisco. This meeting provided the community with the opportunity to hear first-hand how the sponsoring

organizations are participating in the environmental cleanup and restoration of Hunters Point Shipyard. A question and answer session followed.

Ms. Jill Fox, also a RAB Community Co-chair, said, "The turnout of nearly 200 people to a technical meeting on a beautiful summer evening shows the high interest the people of San Francisco have in the cleanup of the Hunters Point Shipyard. The goal of all three sponsoring organizations must be to continue to provide regular updates to interested citizens concerning the status of Hunters Point Shipyard cleanup efforts." Ms. Fox added that she believed the Navy and the regulators must strive to communicate to every member of the community in ways that they can understand cleanup and restoration activities.

Mr. Mach, BRAC Environmental Coordinator for Hunters Point Shipyard said, "Community participation plays an important role in the cleanup program. The Navy will continue to work more closely with the Bayview community and encourages the public to continue to provide input and express their concerns." Information provided helps the Navy make decisions regarding cleanup actions.

Treatability Studies Scheduled to Address VOC Contamination in Soil and Groundwater



reatability studies are scheduled for the soil and groundwater at Hunters Point Shipyard in the fall (soil vapor extraction [SVE] for soil and chemical oxidation for groundwater). The SVE treatability study will take place at Parcels B, C, and E. The chemical oxidation study will be conducted at Parcel C.

Treatability studies are conducted to evaluate the effectiveness of a technology to clean up soil or groundwater at a particular site. If the technology is proven to be effective, the results can be used to design a full-scale system. If the technology is not effective, the results can be used to evaluate additional treatment alternatives so that another remedy can be selected.

SVE - Soil Treatment

The SVE treatability study will address volatile organic compounds (VOCs) in soil at Parcels B, C, and E. SVE is a widely used technology for treating VOC soil contamination in situ. SVE is a cleanup process that removes VOCs from the subsurface soil by applying a vacuum to a network of wells that pulls the VOCs from the soil through an activated carbon treatment system to remove contaminants and then clean air is discharged to the atmosphere. The effectiveness of SVE will be evaluated based on the amount of VOCs removed over time and the volume of soil that can be treated.

Chemical Oxidation - Groundwater Treatment

The chemical oxidation treatability study will address VOC contamination in the groundwater. Chemical oxidation chemically destroys VOCs in the groundwater. The VOCs are chemically converted into carbon dioxide, water, and simple organic salts. The effectiveness of chemical oxidation will be evaluated based on the amount of VOCs removed over time and the volume of groundwater that can be treated.

Parcel D and E Radiological Cleanup

In November 2000, the Navy will begin removal of low-level radiological impacted soils at four sites in Parcels D and E as described in the Final Action Memorandum dated August 18, 2000. The excavation and off-site disposal of up to 250 cubic yards of low-level radiological impacted soils and debris will be done as a proactive measure to eliminate the potential for future radiation exposure and any potential threat to human health. The removal action is scheduled to begin in November 2000 and will take approximately three to four weeks to complete.

Cleanup Employment Opportunities at Hunters Point Shipyard

he Navy and its contractors have stepped up their efforts to assist local community members in obtaining employment in the Hunters Point Shipyard cleanup program. This undertaking has involved coordination with Bayview/Hunters Point organizations to determine ways that local residents can benefit from current and future field work. IT Corporation (IT), the Navy's Remedial Action Contractor (RAC), is the prime contractor involved in the current field work activities. Methods that IT is applying to this employment drive are: directly interviewing and hiring qualified residents to work on the Shipyard cleanup; working with local and Bay area organizations that provide trained workers and coordinate employment training; and subcontracting out various services to local firms.

As a result of stepped-up direct interviewing and hiring, IT has recently hired new employees that are residents of the Bayview/Hunters Point community to work on the cleanup at the Shipyard. At present, there are five community residents working on-site at the Shipyard. IT is aggressively interviewing and anticipates hiring more employees who reside in the community. For more information contact Mr. Jim Robbins at (925) 288-2313.

In addition to direct interviewing, IT representatives have been developing an employment hiring strategy with Innovative Technical Solutions, Inc. (ITSI), a protégé firm that specializes in matching workers from small, disadvantaged businesses with large companies that require certain services. The objective of this coordinated effort is to develop an arrangement in which ITSI will hire a field labor crew of Bayview/Hunters Point community members to provide excavation backfill and compaction services at the Shipyard. The labor crew would be subcontracted by IT who requires that all employees hired through their protégé subcontractor must be local residents. ITSI can hire labor more quickly than IT.

The resources of the following two local organizations are also being utilized for hiring workers:

 Bayview Hunters Point (BVHP) Community Advocates - Contact Mr. Jesse Mason at (415) 671-2862. The BVHP Community Advocates have information on upcoming jobs. Information on qualified candidates will be forwarded to IT. ■ Young Community Developers (YCD)/Superfund Job Training Initiatives (SuperJTI) Program – Contact Mr. Derek Gaskin at (415) 822-3491. The YCD/SuperJTI program provides a variety of job training opportunities for the local community.

Another example of this effort is the close communication among these local organizations. ITSI recently contacted YCD and they provided a worker with a clerical background who recently started working on the cleanup program.

IT is also subcontracting various services to local firms. These services include subcontracting work to laboratories, material suppliers, and service providers in the Bayview/Hunters Point area. IT worked with Business Development, Inc. (BDI) to obtain a list of local firms that could participate in the cleanup field work. Since June of this year, IT has issued purchase orders and contracts for over \$750,000 and roughly 75 percent of that has gone to local businesses. Interested local firms should contact Mr. Jim Robbins of IT at (925) 288-2313 or Mr. Michael Williams of BDI at (415) 671-2150.

As of mid-August, IT sent out Requests for Proposal (RFPs) to 63 Bayview/Hunters Point firms for 16 separate projects pertaining to the Hunters Point Shipyard cleanup. Eighteen local firms responded to the RFPs and six local companies received subcontracts for the projects. The work includes paving, paint removal, asbestos abatement, concrete coring, compaction services, land surveying, transportation, disposal, drilling, air monitoring, asbestos/paint surveying, electrical services, underground utility surveying, underground storage tank removal, and above-ground storage tank removal. IT is continuing to send out RFPs for additional Hunters Point Shipyard cleanup work funded by the Navy.

Another Navy contractor, Tetra Tech EM, Inc., that performs environmental investigations and studies at Hunters Point Shipyard, is working with Onsite Environmental to provide field technicians. A former Bayview/Hunters Point resident is a Tetra Tech field technician working at the Shipyard.

Agencies and Organizations Involved in the Environmental Cleanup Program

Name/Title	Organization	Phone	Address	E-mail
Mr. Richard G. Mach, Jr. BRAC Environmental Coordinator	Naval Facilities Engineering Command, Southwest Division	(619) 532-0913 (650) 244-3144 Fax: (619) 532-0995	1230 Columbia St. Suite 1100 San Diego, CA 92101	machrg@ efdsw.navfac.navy.mil
Mr. Dave DeMars Lead Remedial Project Manager	Naval Facilities Engineering Command, Southwest Division	(619) 532-0912 Fax: (619) 532-0995	1230 Columbia St. Suite 1100 San Diego, CA 92101	demarsdb@ efdsw.navfac.navy.mil
Ms. Claire Trombadore Project Manager for Parcels A, B, and D	U.S. Environmental Protection Agency	(415) 744-2409 Fax: (415) 744-1916	75 Hawthorne Street (SFD-8-1) San Francisco, CA 94105	trombadore.claire@ epa.gov
Ms. Sheryl Lauth Project Manager for Parcels C, E, and F	U.S. Environmental Protection Agency	(415) 744-2387 Fax: (415) 744-1916	75 Hawthorne Street (SFD-8-1) San Francisco, CA 94105	lauth.sheryl@ epa.gov
Mr. Chein Kao Project Manager	California Department of Toxic Substances Control	(510) 540-3822 Fax: (510) 849-5285	700 Heinz Avenue Suite 200 Berkeley, CA 94710	ckao@dtsc.ca.gov
Mr. Brad Job Project Manager	California Regional Water Quality Control Board	(510) 622-2400 Fax: (510) 622-2458	1515 Clay Street Suite 1400 Oakland, CA 94612	lbj@rb2.swrcb.ca.gov
Ms. Dorothy Peterson RAB Community Co-chair	Hunters Point Resident	(415) 648-0661	c/o HPS BRAC Environmental Coordinator 1230 Columbia St. Suite 1100 San Diego, CA 92101	dotp@silcon.com

Hunters Point Shipyard Information Repositories

The Navy maintains two information repositories for Hunters Point Shipyard that contain project documents and other reference materials. The Main Library in downtown San Francisco contains most copies of the documents related to the cleanup of Hunters Point Shipyard. The Bayview/Anna E. Waden Branch Library contains copies of the major investigations for each parcel as well as documents related to more current activities. The Navy encourages you to review the documents prepared for Hunters Point Shipyard to gain a more complete understanding of the investigations.

CITY OF SAN FRANCISCO MAIN LIBRARY

Science, Technical, and Government Documents Room 100 Larkin Street San Francisco, CA 94102 (415) 557-4500

BAYVIEW/ANNA E. WADEN BRANCH LIBRARY

5075 Third Street San Francisco, CA 94124 (415) 715-4100

Mailing List Update •

Are you on the Hunters Point Shipyard Mailing List?

To be placed on the Hunters Point Shipyard mailing list, please complete the following information and return the completed form as soon as possible to ensure that you receive upcoming mailings. To better serve the community regarding the Hunters Point Shipyard (HPS) environmental cleanup program, we would like to know what information you are interested in receiving. Also, the Navy is eliminating unwanted mail and outdated addresses by updating its mailing list.

addre	sses by updating its mailing list.			
1. 🗖	Yes, I would like to be on the Hunters Point Shipyard mailing (please check all that apply):	; list and I would like to	receive the following	
a.	☐ Fact sheets, proposed plans, and newsletters			
b.	$oxedsymbol{\square}$ Monthly RAB meeting agendas, minutes, and notices of u	upcoming meetings		
	possible, I would prefer to receive the mailers by (please chec mailing box below):	k one box and then con	nplete all information	
a.	☐ U.S. Mail			
b.	☐ E-mail			
3. 🗖	Yes, I have been receiving duplicate mailings			
4. 🗖	No, I do not wish to remain on the Hunters Point Shipyard m	ailing list		
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To	elephone	E-mail		
А	re you interested in becoming a RAB member? (circle one) YES	NO		

Please return by U.S. Mail or FAX as follows: (1) U.S. Mail – please trifold and close flap with tape. Do not use staples to close this flyer. Mailing address is on the reverse side. (2) Fax – to Navy CLEAN3, CTO-007, Community Relations Office at (619) 687-8787.

Note: HPS RAB meeting minutes and agendas will continue to be available to the public at the information repository (Bayview/Anna E. Waden Public Library, 5075 Third Street, San Francisco, CA 94124, phone (415) 715-4100) established for the HPS Installation Restoration Program and are available on the Southwest Division Naval Facilities Engineering Command (SWDIV) webpage: [http://www.efdsw.navfac.navy.mil/dep/env/PAGES/hpoint.htm].

For more information on the Installation Restoration Program at HPS, please contact Mr. Richard G. Mach, Jr., Base Realignment and Closure Environmental Coordinator and RAB Navy Co-chair at (619) 532-0913 or voice mail at (650) 244-3144.

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